

363282-S

RECEIVED
OPPT CBIC

Sanitized Copy

2015 JAN -9 PM 12: 30

January 8, 2015

Via Federal Express

TSCA Confidential Business Information Center (7407M)
EPA East - Room 6428 Attn: Section 8(e)
U.S. Environmental Protection Agency
1201 Constitution Avenue, NW
Washington, DC 20004-3302

Subject: Notice in Accordance with TSCA Section 8(e): Results of an chronic toxicity study on water flea (*Daphnia magna*) with an experimental pesticide

Dear Section 8(e) Coordinator:

[REDACTED] is submitting results of a chronic toxicity test with [REDACTED] on water flea (*Daphnia magna*) conducted by [REDACTED]. The test substance is an experimental pesticide.

The test was conducted in a static system over 21 days according to the OECD Guideline for Testing of Chemicals, No. 211 "*Daphnia magna* reproduction test" (adopted October 2012), OPPTS 850.1300, draft April 1996

The following nominal concentrations were tested: 0 (control), 0 (solvent control), 0.25, 0.5, 1, 2, 4 and 8 µg/L.

All test solutions were visibly clear over the entire exposure period.

Analytical verification of the test item concentrations was conducted in all treatments at day 0, 2, 9, 12, 14, 16, 19 and 21. Recoveries of the fresh prepared test solutions were between 93% and 118% of nominal concentrations. In spent media, shortly before renewal of the test solution the recoveries were between 78% and 104%. Only on day 21 in the lowest test concentration of 0.25 µg/L was the recovery 207 %. Because mean measured concentrations were >80 and <120% of nominal, biological results were based on nominal and time weighted mean concentrations.

EC₁₀	= 4.46 (4.17) µg/L	nominal (time weighted mean)
	(95% CL: 3.69 (3.47) – 5.38 (5.00) µg/L)	
NOEC	= 4.0 (3.75) µg/L	nominal (time weighted mean)
LOEC	= 8.0 (7.34) µg/L	nominal (time weighted mean)
MATC	= 5.7 (5.3) µg/L	nominal (time weighted mean)

Sanitized Copy

TSCA Confidential Business Information Center (7407M)

January 8, 2015

Page 2

Explanation:

EC_x is the (effective) concentration of the test item, which results in an X% reduction in growth relative to the control.

NOEC (no observed effect concentration) is the highest concentration of the test item at which no significant effects are observed.

LOEC (lowest observed effect concentration) is the lowest concentration of the test item at which significant effects are observed. (The effect at the test concentrations above the LOEC should at least be equal or greater than the calculated LOEC).

MATC (maximum acceptable toxicant concentration) geometric mean of LOEC and NOEC.

██████████ understands that reporting of results from this study under TSCA 8(e) is in accordance with EPA's policy.

Please note that a confidential version of this letter is enclosed, treating the chemical identity and company identity as Confidential Business Information.

A Confidentiality Substantiation Questionnaire is being submitted.

Sincerely,